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(4) Airspeed, temperature, and pressure indicating instruments or systems.

(5) Compass limitations and methods of compensation.

(6) Cruise control charts and data, including fuel consumption rates.

(7) Any other instruction as necessary to ensure his competence.

(b) Initial ground training for flight navigators must consist of at least the following programmed hours of instruction in the subjects specified in paragraph (a) of this section and in § 121.415(a) unless reduced under § 121.405:

- (1) Group I airplanes—
 - (i) Reciprocating powered, 16 hours; and
 - (ii) Turbopropeller powered; 32 hours.
- (2) Group II airplanes, 32 hours.

§ 121.421 Flight attendants: Initial and transition ground training.

(a) Initial and transition ground training for flight attendants must include instruction in at least the following:

- (1) General subjects—
 - (i) The authority of the pilot in command;
 - (ii) Passenger handling, including the procedures to be followed in the case of deranged persons or other persons whose conduct might jeopardize safety; and
 - (iii) Approved crew resource management initial training.
- (2) For each airplane type—
 - (i) A general description of the airplane emphasizing physical characteristics that may have a bearing on ditching, evacuation, and inflight emergency procedures and on other related duties;
 - (ii) The use of both the public address system and the means of communicating with other flight crewmembers, including emergency means in the case of attempted hijacking or other unusual situations; and
 - (iii) Proper use of electrical galley equipment and the controls for cabin heat and ventilation.

(b) Initial and transition ground training for flight attendants must include a competence check to determine ability to perform assigned duties and responsibilities.

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(c) Initial ground training for flight attendants must consist of at least the following programmed hours of instruction in the subjects specified in paragraph (a) of this section and in § 121.415(a) unless reduced under § 121.405.

- (1) Group I airplanes—
 - (i) Reciprocating powered, 8 hours; and
 - (ii) Turbopropeller powered, 8 hours.
- (2) Group II airplanes, 16 hours.

[Doc No. 9509, 35 FR 90, Jan. 3, 1970, as amended by Amdt. 121-250, 60 FR 65949, Dec. 20, 1995]

§ 121.422 Aircraft dispatchers: Initial and transition ground training.

(a) Initial and transition ground training for aircraft dispatchers must include instruction in at least the following:

- (1) General subjects—
 - (i) Use of communications systems including the characteristics of those systems and the appropriate normal and emergency procedures;
 - (ii) Meteorology, including various types of meteorological information and forecasts, interpretation of weather data (including forecasting of en route and terminal temperatures and other weather conditions), frontal systems, wind conditions, and use of actual and prognostic weather charts for various altitudes;
 - (iii) The NOTAM system;
 - (iv) Navigational aids and publications;
 - (v) Joint dispatcher-pilot responsibilities;
 - (vi) Characteristics of appropriate airports;
 - (vii) Prevailing weather phenomena and the available sources of weather information;
 - (viii) Air traffic control and instrument approach procedures; and
 - (ix) Approved dispatcher resource management (DRM) initial training.
- (2) For each airplane—
 - (i) A general description of the airplane emphasizing operating and performance characteristics, navigation equipment, instrument approach and communication equipment, emergency equipment and procedures, and other subjects having a bearing on dispatcher duties and responsibilities;